

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number  
**WO 2005/058413 A2**

(51) International Patent Classification<sup>7</sup>: **A61N 1/372, 1/36, 1/08, 1/39**

[US/US]; 17235 Northeast 134th Place, Redmond, WA 98052-1225 (US).

(21) International Application Number:  
**PCT/US2004/042792**

(74) Agents: **PAIGE, James, J. et al.**; Fredrikson & Byron, P.A., 200 South Sixth Street, Suite 4000, Minneapolis, MN 55402-1425 (US).

(22) International Filing Date:  
**17 December 2004 (17.12.2004)**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
60/530,151 17 December 2003 (17.12.2003) US  
PCT/US2004/012421  
22 April 2004 (22.04.2004) US

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): **MEDTRONIC PHYSIO-CONTROL CORP. [US/US]; 11811 Willows Road Northeast, P.O. Box 97006, Redmond, WA 98073-9706 (US).**

## Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventors; and  
(75) Inventors/Applicants (for US only): **MCMAHON, Michael [US/US]; 4105 Northeast 205th Street, Lake Forest Park, WA 98155 (US). PEARCE, Christopher [GB/US]; 13924 High Bridge Road, Monroe, WA 98272 (US). WUNG, Peter [US/US]; 4514 159th Avenue Northeast, Redmond, WA 98052 (US). DAYNES, John, C. [US/US]; 18139 Northeast 99th Way, Redmond, WA 98052 (US). PETERSON, Ken [US/US]; 4342 Somerset Boulevard Southeast, Bellevue, WA 98006 (US). NELSON, Maren [US/US]; 6509 114th Avenue Northeast, Kirkland, WA 98033 (US). NEUMILLER, James**

WO 2005/058413 A2

(54) Title: DEFIBRILLATOR PATIENT MONITORING POD

(57) Abstract: A patient parameter monitoring pod in embodiments of the teachings may include one or more of the following features: (a) portable housing containing a power supply, (b) a patient parameter module connectable to a patient via lead cables to collect patient data, the patient data including at least one vital sign, (c) a transceiver adapted to wirelessly transmit the patient data to a defibrillator, (d) a data port adapted to supply the patient data via a direct electrical connection to the defibrillator, and (e) a carrying handle extending from the housing proximate a patient lead cable port that permits connection of the lead cables to the pod, the carrying handle positioned to protect the patient lead cable port and the patient lead cables attached to the port from direct impact.